

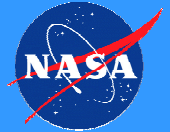
# **FY02 President's Budget Request**

***All Hands Meeting***

April 9, 2001

- 
- The background of the slide is a composite space image. In the upper center, a large, orange-hued planet (Mars) is visible. In the lower left, the curved horizon of Earth with blue oceans and white clouds is shown. In the upper right, there is a colorful nebula with green, blue, and purple hues. The text is overlaid on this background.
- Key support to NASA's top 2 priorities
    - Shuttle
    - International Space Station
  - Lead NASA's #3 priority (No. 1 Development Program)
    - Space Launch Initiative (Earth-to-Orbit (ETO) 2<sup>nd</sup> Gen)
    - 3<sup>rd</sup> Generation ETO and Advanced In-Space Transportation

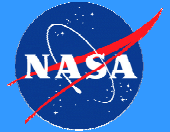
**Continuing Key Role in  
NASA's Top Priorities**



## ***2002 President's Budget Request MSFC Highlights***

- MSFC budget up from \$2.2B (FY01) to \$2.8B (FY 06)
- Civil Service staffing – Hire 80 by End of FY – FY02 2759 FTE
- Space Launch Initiative –FY02 to FY06 = \$4.5 Billion
- MSFC Lead Center Role
- Space Science budget stable
- Earth Science budget stable
- Approved Shuttle safety upgrades included
- Space Station – Propulsion Module cancelled, ICM stored, CRV deferred, other program adjustments still under consideration
- Microgravity Program restructured

**Healthy Program Base Maintained**

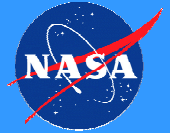


## MSFC FY 2001 Budget Compared to FY 2002 Request

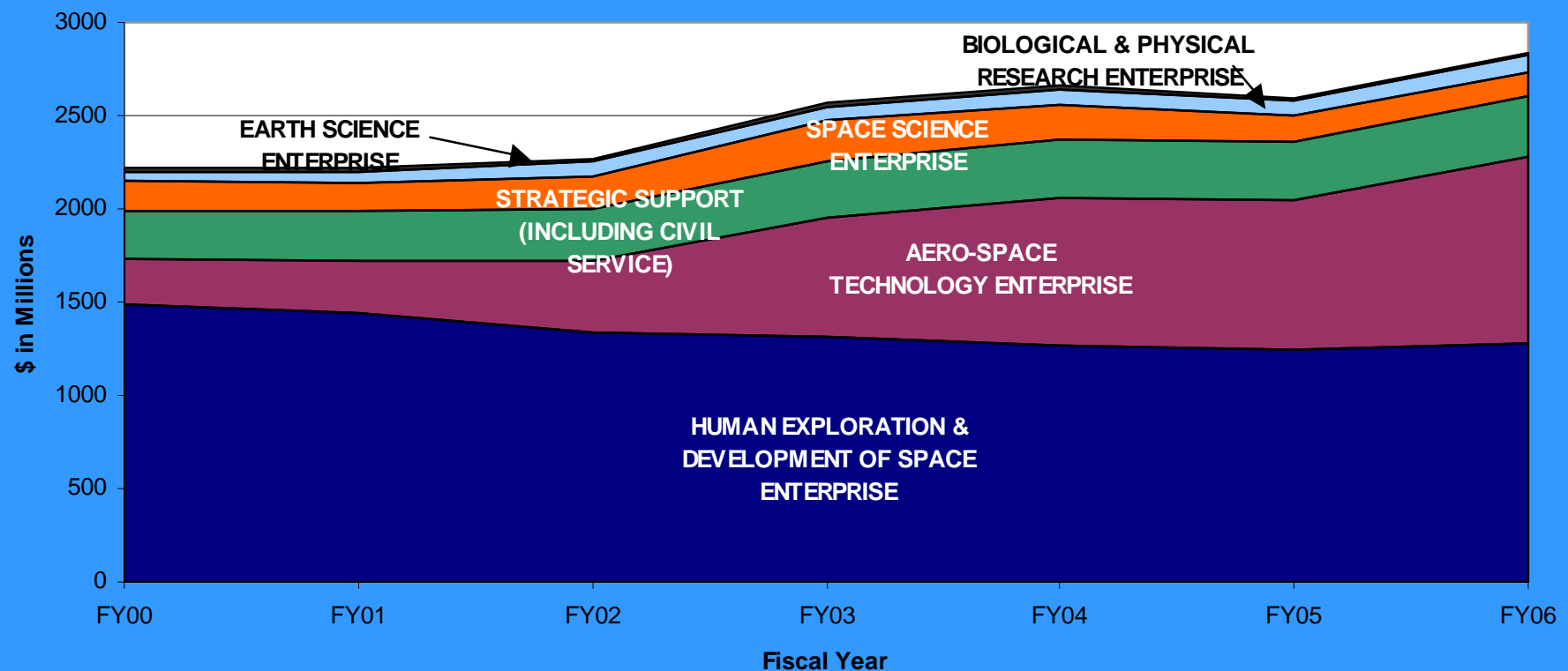
MSFC - President's Budget to Congress - April 9, 2001		
<u>DOLLARS IN MILLIONS</u>	<u>FY2001</u>	<u>FY2002</u>
SPACE SCIENCE	155	172
HUMAN EXPLORATION & DEVELOPMENT OF SPACE	1,444	1,332
BIOLOGICAL & PHYSICAL RESEARCH	63	77
EARTH SCIENCE	21	23
AERO-SPACE TECHNOLOGY	274	389
SAFETY, MSN. ASSUR, ENG, & ADV CONCEPTS	3	4
ACADEMIC PROGRAMS	8	7
PERSONNEL & RELATED	251	263
TRAVEL	6	6
MSFC GRAND TOTAL	2,224	2,273

**MSFC OVERALL**

**2 Percent Increase**



## MSFC Budget Projection (by NASA Enterprise)







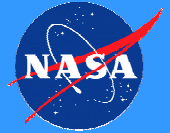
◆ *Safe, , Reliable, Affordable Space Transportation*

◆ *Enables America's Future in Space*

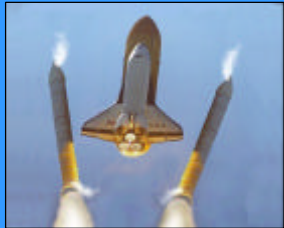
◆ *NASA's Integrated Space Transportation Plan is the Strategic Investment Framework*

◆ *Space Launch Initiative is the Main Focus of Integrated Space Transportation Program*

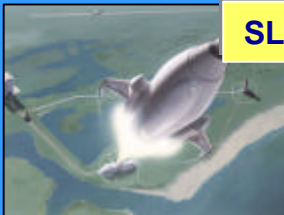
*The President's Budget Embraces SLI*



# ***NASA Strategy:*** **Integrated Space Transportation Plan**



## **Space Shuttle Safety Upgrades**



SLI/2nd Gen

## **Risk Reduction for 2nd Generation Reusable Launch Vehicles**



SLI/2nd Gen

## **Risk Reduction for NASA Unique Systems**

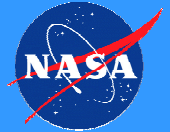


SLI/2nd Gen

## **Alternate Access to the International Space Station Using U.S. Commercial Launch Services**



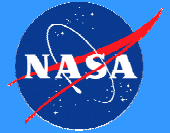
## **Long Term Investment in 3rd Generation and In-Space Technologies**



## ***Space Launch Initiative Goals***

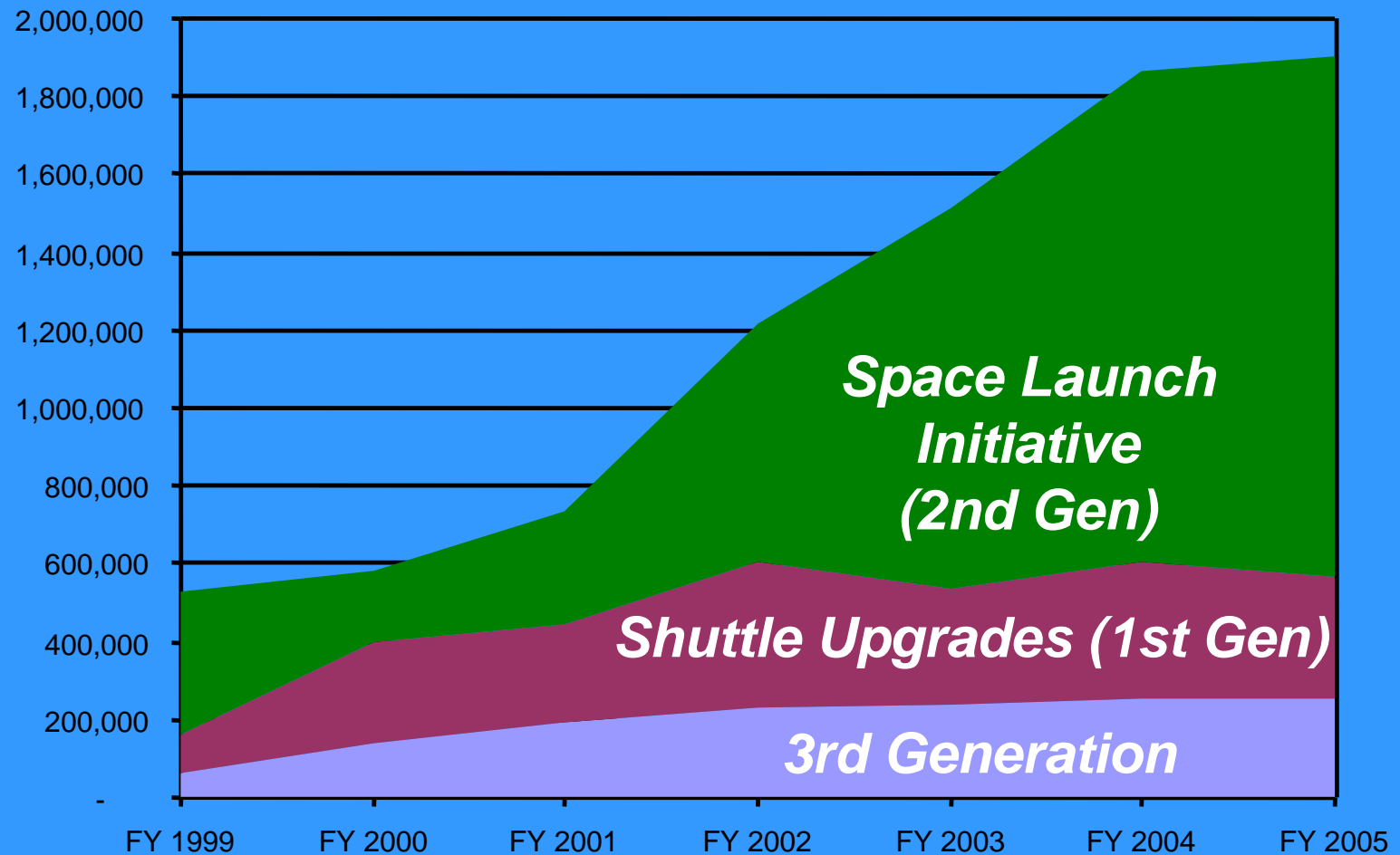
- The goal of the Space Launch Initiative is for NASA to meet its future space flight needs, including human access to space, using commercial launch vehicles that will reduce cost and improve safety and reliability.
- Four principles exist:
  - *Commercial Convergence* – flying on privately owned and operated launch vehicles;
  - *Competition* – bringing innovation and new ideas to bear;
  - *Assured Access* – ensuring alternate means of getting to space despite launch mishaps;
  - *The Ability to Evolve* – adding new capabilities affordably as new mission needs emerge.

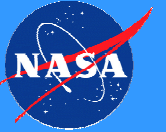




## ISTP Budget Profile

Integrated Space Transportation Program Funding Estimates Through FY2005





## ***BOTTOM LINE***

- Space Transportation budget significantly increased
- Shuttle upgrades supported
- Space Station – strong role continued
- Space Science strengthened through National Space Science and Technology Center
- Plan to hire 80 additional civil servants

**Budget Outlook Continues to be Positive for MSFC**

